

Abstract

[0060] The a modular system for locating and clamping a workpiece in space is provided that includes positioning blade including a riser mount having a plurality of first mounting-bores and a plurality of first positioning-bores. A clamp mount is provided on the blade that includes a plurality of second mounting-bores and a plurality of second positioning-bores. The first positioning-bores have a predetermined positional relationship to the second positioning-bores. A locator arm is also provided on the blade , and has a plurality of third positioning-bores where the third positioning-bores comprise a predetermined position relative to the first positioning-bores and the second positioning-bores. A system for positioning and clamping a workpiece is also provided that includes in combination the foregoing positioning blade mounted on structure for elevating the workpiece, e.g., a riser, and structure for clamping the workpiece. A kit for forming a variety of fixtures for positioning and clamping a workpiece is also provided that includes a plurality of position determining modules where each module includes a positioning blade having a different set of positional locations for its positioning-bores.

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